

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1-76 (canceled)

Claim 77 (currently amended): A detecting system for a suction cleaner comprising:

a first sensor mounted to the cleaner and positioned to detect the moisture level of a cleaning surface;

a circuit electrically connected to the first sensor for generating a first control signal in response to the detected moisture level of the cleaning surface;

a tank removably mounted to said suction cleaner for containing liquid;

a second sensor mounted to the cleaner to detect when the liquid of said tank reaches a predetermined level, said second sensor being a pressure switch responsive to a pressure level associated with said predetermined liquid level in said tank;

wherein said circuit is electrically connected to the second sensor for generating a second control signal in response to the detected liquid level of said tank; and ~~The detecting system of claim 75~~
~~including a device responsive to said second control signal for indicating~~

when the liquid of said tank reaches a predetermined level.

Claim 78 (original): The detecting system of claim 77, wherein said device comprises at least one lamp which is illuminated by the circuit when the liquid of said tank reaches a predetermined level.

Claim 79 (original): The detecting system of claim 78, wherein the circuit includes a microprocessor for comparing the first control signal to a threshold value.

Claim 80 (original): A detecting system for a suction cleaner, said suction cleaner having a recovery tank for holding extracted liquid, said detecting system comprising;

a sensor operatively connected to said recovery tank to detect when the liquid of said recovery tank reaches a predetermined level, said sensor including a pressure switch responsive to a pressure level associated with said predetermined liquid level in said recovery tank;

a circuit electrically connected to said sensor for generating a control signal in response to said pressure level of said recovery tank; and

a device responsive to said control signal for indicating when the liquid of said tank reaches a predetermined level.

Claim 81 (original): The detecting system of claim 80, wherein said device comprises at least one lamp which is illuminated by the circuit when the liquid of said tank reaches a predetermined level.

Claim 82 (original): The detecting system of claim 81, wherein the circuit includes a microprocessor for outputting said control signal.

Claim 83 (original): The detecting system of claim 81, wherein said suction cleaner includes a base for movement along a surface, a handle pivotally connected to said base, said recovery tank being removably mounted to one of said base and said handle.

Claim 84 (original): The detecting system of claim 83, wherein said suction cleaner includes a solution tank for holding cleaning solution, a distributor fluidly connected to said solution tank for distributing the cleaning solution on the surface.

Claim 85 (original): A detecting system for a suction cleaner, said suction cleaner having a recovery tank for holding extracted liquid, said detecting system comprising;

a sensor operatively connected to said recovery tank to detect when the liquid of said recovery tank reaches a predetermined level, said sensor including a pressure switch responsive to a pressure level associated with said predetermined liquid level in said recovery tank;

a circuit electrically connected to said sensor for generating a control signal in response to said pressure level of said recovery tank; and

wherein said circuit includes a microprocessor for outputting said control signal.

Claim 86 (original): The detecting system of claim 85, wherein said suction cleaner includes a base for movement along a surface, a handle pivotally connected to said base, said recovery tank being removably mounted to one of said base and said handle, said suction cleaner includes a solution tank for holding cleaning solution, a distributor fluidly connected to said solution tank for distributing the cleaning solution on the surface.

Claim 87 (original): A detecting system for a suction cleaner, said suction cleaner having a recovery tank for holding extracted liquid, said detecting system comprising;

a first sensor operatively connected to said recovery tank to detect when the liquid of said recovery tank reaches a predetermined level, said sensor including a pressure switch responsive to a pressure level associated with said predetermined liquid level in said recovery tank;

a circuit electrically connected to said first sensor for generating a first control signal in response to said pressure level of said recovery tank;

a suction conduit assembly in fluid communication with said recovery tank for transporting said cleaning solution and dirt into said recovery tank; and

wherein said first sensor is mounted to said suction conduit assembly.

Claim 88 (original): The detecting system of claim 87 wherein said suction

conduit assembly comprises a suction nozzle and a suction duct, said suction duct being fluidly connected between said recovery tank and said suction nozzle, said first sensor being mounted to said suction duct.

Claim 89 (original): The detecting system of claim 87, wherein said suction cleaner includes a base for movement along a surface, a handle pivotally connected to said base, said recovery tank being removable mounted to one of said base and said handle.

Claim 90 (original): The detecting system of claim 89, wherein said suction cleaner includes a solution tank for holding cleaning solution, a distributor fluidly connected to said solution tank for distributing the cleaning solution on the surface.

Claim 91 (currently amended): The ~~the~~ detecting system of claim 87 including a suction tube fluidly connected between said first sensor and said solution conduit assembly.

Claim 92 (original): The detecting device of claim 87 including a device responsive to said control signal for indicating when the liquid of said tank reaches a predetermined level.

Claim 93 (original): The detecting system of claim 87 including a second sensor mounted to the cleaner and positioned to detect the moisture level of a cleaning surface.

94. (original): The detecting system of claim 93 wherein said suction conduit assembly comprises a suction nozzle and a suction duct, said suction duct being fluidly connected between said recovery tank and said suction nozzle, said first sensor and second sensor being mounted to said suction duct.

Claim 95 (original): A detecting system for a suction cleaner, said suction cleaner having a recovery tank for holding extracted liquid, said detecting system comprising;

a sensor operatively connected to said recovery tank to detect when the liquid of said recovery tank reaches a predetermined level, said sensor including a pressure switch responsive to a pressure level associated with said predetermined liquid level in said recovery tank;

a circuit electrically connected to said sensor for generating a control signal in response to said pressure level of said recovery tank; and a switching transistor being operatively connected to said lamp and said circuit, wherein said circuit outputs said control signal to turn on said switching transistor which causes said lamp to illuminate.

Claim 96 (original): The detecting system of claim 95 wherein said circuit includes a comparator circuit section for outputting said second control signal, said comparator circuit section being operatively connected to said switching transistor.

Claim 97 (original): The detecting system of claim 95 wherein said suction cleaner includes a base for movement along a surface, a handle pivotally connect to said base, said recovery tank being removably mounted to one of said base and said handle, said suction cleaner further including a solution tank for holding cleaning solution, a distributor fluidly connected to said solution tank for distributing cleaning solution on the surface.

Claim 98 (original): A detecting system for a suction cleaner, said suction cleaner having a recovery tank for holding extracted liquid, said detecting system comprising;

a sensor operatively connected to said recovery tank to detect when the liquid of said recovery tank reaches a predetermined level, said sensor including a pressure switch responsive to a pressure level associated with said predetermined liquid level in said recovery tank;

a circuit electrically connected to said sensor for generating a control signal in response to said pressure level of said recovery tank; and

wherein said circuit comprises an oscillator circuit.

Claim 99 (original): The detecting system of claim 98 wherein said suction cleaner includes a base for movement along a surface, a handle pivotally connect to said base, said recovery tank being removably mounted to one of said base and said handle, said suction cleaner further including a solution tank for holding cleaning solution, a distributor fluidly connected to said tank for distributing cleaning solution on the surface.

Claim 100 (original): A detecting system for a suction cleaner comprising:

- a first sensor mounted to the cleaner and positioned to detect the moisture level of a cleaning surface;

- a circuit electrically connected to the first sensor for generating a first control signal in response to the detected moisture level of the cleaning surface;

- a tank removably mounted to said suction cleaner for containing liquid;

- a second sensor mounted to the cleaner to detect when the liquid of said tank reaches a predetermined level;

- wherein said circuit is electrically connected to the second sensor for generating a second control signal in response to the detected liquid level of said tank; and

- a switching transistor being operatively connected to said lamp and said circuit, wherein said circuit outputs said second control signal to turn on said switching transistor which causes said lamp to illuminate.

Claim 101 (original): The detecting system of claim 100 wherein said circuit includes a comparator circuit section for outputting said second control signal, said comparator circuit section being operatively connected to said switching transistor.

Claim 102 (original): The detecting system of claim 100 wherein said suction cleaner includes a base for movement along a surface, a handle

pivotally connect to said base, said recovery tank being removably mounted to one of said base and said handle, said suction cleaner further including a solution tank for holding cleaning solution, a distributor fluidly connected to said solution tank for distributing cleaning solution on the surface.

Claim 103 (original): A detecting system for a suction cleaner comprising:

- a first sensor mounted to the cleaner and positioned to detect the moisture level of a cleaning surface;

- a circuit electrically connected to the first sensor for generating a first control signal in response to the detected moisture level of the cleaning surface;

- a tank removably mounted to said suction cleaner for containing liquid;

- a second sensor mounted to the cleaner to detect when the liquid of said tank reaches a predetermined level;

- wherein said circuit is electrically connected to the second sensor for generating a second control signal in response to the detected liquid level of said tank; and

- wherein said circuit comprises an oscillator circuit.

Claim 104 (original): The detecting system of claim 103 wherein said suction cleaner includes a base for movement along a surface, a handle pivotally connect to said base, said recovery tank being removably mounted to said base, said suction cleaner further including a solution tank

for holding cleaning solution, a distributor fluidly connected to said tank for distributing cleaning solution on the surface.

Claim 105 (currently amended): A detecting system for a suction cleaner comprising:

a first sensor mounted to the cleaner and positioned to detect the moisture level of a cleaning surface;

a circuit electrically connected to the first sensor for generating a first control signal in response to the detected moisture level of the cleaning surface;

a tank removably mounted to said suction cleaner for containing liquid;

a second sensor mounted to the cleaner to detect when the liquid of said tank reaches a predetermined level; and

wherein said circuit is electrically connected to the second sensor for generating a second control signal in response to the detected liquid level of said tank, ~~The detecting system of claim 73 wherein~~ said circuit includes a microprocessor coupled to said first sensor and said second sensor, sensor.

Claim 106 (original): The detecting system of claim 105 wherein said microprocessor is mounted to a printed circuit board.